



Governor's Office of Economic Development

State of Utah

GARY R. HERBERT
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Lieutenant Governor

GARY R. HARTER
Managing Director, Business Creation

Energy Working Group

September 9, 2009

Hill Air Force Base

Qualified Recycling and Alternative Fuels

Mary Angus

Utah Science Technology and Research Initiative

Developing Research Resources

Utah State Energy Program

ARRA and Other Available Energy Grant Money

Department of Workforce Services

Workforce Development for Energy Sector

Utah Clean Energy

Salt Lake City for Solar City America 2010 Meeting

Location: Governor's Office of Economic Development (GOED)
324 S State Street, Ste 500, Rm 501 SLC, UT 84111 - 801-538-8700



Minutes

HAFB

Goal Net 0 – 0 sum game of the amount of energy – 47MW summer/current (want to save \$4-5 per hr to prevent possible BRAC)

AF largest user of oil in the country - 84% of AF costs

Energy Savings Performance Contracting – ESPC – 45 of them to reach \$4.2M – replace light bulbs, methane from dump – low hanging fruit gone

Qualified Recycling Program

Now looking at autoclaves (composite work for aircraft) all F16 worldwide – cap intense.
Concrete, asphalt, rail road ties – qualified recycling
RMP notification of brown outs – turn off lights, coffee pots, etc.

*Get this presentation electronically and also goals broken out in program memorandum matrix.

Energy Security Requires

- Reduce demand
- Increase supply
- Create culture change

Energy Production Initiatives

- Co-gen facility – 60MW possibility
- Geo exploration – including heat underground pumps
- Biofuels development

Energy Funding Sources

- For the three energy prod initiative above (biofuels DOE FEMP Grant for further study)
- Solar/Wind/Nuclear – DOE FEMP Grant for technical asst.
 - o Solar panels in restricted area around heart of HAFB
 - o Nuclear 7-10 yrs when new technology is available.

*Biomass is also an option discussed with USU mentioned during presentation.

Attendee Discussion

USTAR

- Headwaters Solutions \$1.8M grant won for carbon seq – first co USTAR prod. –comp simulation mostly
- Energy & GeoSci Institute – U \$10.2M grant won dept of energy – Project Manager Joe Blacken & John McClenn
- Id Natl Lab, University of Utah & Utah State University – adv energy is hybrid energy, find compatibility between traditional and renewable in Vernal Bingham Center (being constructed as

part of Utah State) looking at for loc or SLC Children's Museum – Purpose – Western Region/Rocky Mountain area.

SEP

Waiting on block grant – ARRA funds – communities can apply for the grants if UT awarded money. This is a good place to talk about the funds to get word out for application for small communities.

Formula grant – much is preapproved, but could trigger nepa process. Other

Energy Star funding will be applied for.

Mary Ann Wright & Elise Brown had 1st meetings last week for UREZ Phase II.

DWS

Applied for energy training grant for \$2-5M ea, transportation learning center, iron works local union, electrician union received letter of support from DWS.

Healthcare and emerging occupation – due Oct 5. SW ATC letter of support from DWS.

State energy partnership grant – sent template out to various training ctrs in UT \$2-6M grant to see what they could do w/ the \$. SLCC is write grant request. RE/EE.

*Get summary

UCE

Projects received stimulus money for EE for facilities throughout the state not just state bldg.

- Benchmarking automated

Selected for Solar America grant – cover atty fees working with SLCO and SLC

DOE selected SLC as 2010 site for Solar America City program meeting (we are 1 of 26 cities selected to be in this group.

Solar Home Tour – this weekend. Low income and government attention in press

Adv to Gov

Dept of Ag and others to process waste from turkeys for energy

More meetings on Sept policy 17th & 22nd

Stimulus money from EE for building has let Mary Ann hire a new emp.

Rural UT

Utilities bill for leg for resource in a restricted fund like the telephone program already exists.